

SCALE DRAWINGS

Your goal is to measure 13 objects in our classroom and draw a scale drawing of the room. The scale drawing will be a top-view or a footprint of our classroom.

Measure the following items in the room. Remember you are measuring in feet, but using a yard stick...be careful! Measure objects to the nearest half foot.

DAY 1: With a partner, get all the objects measured, set up a proportion and solve for scale drawings.

DAY 2: Individually, draw a scale drawing of the classroom, with all objects labeled.

Object:	Length Proportion: $\frac{1}{4} \text{ in} = \frac{\quad}{\quad} \text{ ft}$	If needed Width Proportion: $\frac{1}{4} \text{ in} = \frac{\quad}{\quad} \text{ ft}$	NEW LENGTH MEASUREMENT	NEW WIDTH MEASUREMENT
1. Black cabinet behind teacher desk	3 feet	2 feet		
2. Student desks (Do you think you need to measure each desk?)	2 feet	1.5 feet		
3. Teacher desk	5 feet	2.5 feet		
4. Computer table	5 feet	2.5 feet		

5. Missing work table	5 feet trapezoid	2.5 feet		
6. Table with turn-in baskets	5 feet	2 feet		
7. Blue Cabinet	5 feet	3.5 feet		
8. Front wall	27 feet	NO WIDTH NEEDED		NO WIDTH NEEDED
9. Back wall	41 feet	NO WIDTH NEEDED		NO WIDTH NEEDED
10. North wall (Assume this wall continues straight and connects to the front wall)	27 feet	NO WIDTH NEEDED		NO WIDTH NEEDED
11. South wall	29 feet	NO WIDTH NEEDED		NO WIDTH NEEDED
12. Windows	11 feet	NO WIDTH NEEDED		NO WIDTH NEEDED

13. Door to Mr. Vogt's room	NO LENGTH NEEDED	3 feet	NO LENGTH NEEDED	